GOVERNMENT OF INDIA
ROAD TRANSPORT AND HIGHWAYS
LOK SABHA

STARRED QUESTION NO:394
ANSWERED ON:20.08.2001
UNIFORM EMISSION NORMS FOR LPG/CNG
JASWANT SINGH YADAV;SURESH RAMRAO JADHAV (PATIL)

Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether the Government have prepared uniform emission norms for LPG and CNG run vehicles;

(b) if so, the details thereof;

(c) whether the Government propose to amend Central Motor Vehicles Rules, 1989 in this regard; and

(d) if so, the details thereof?

Answer

MINISTER OF STATE FOR ROAD TRANSPORT AND HIGHWAYS (INDEPENDENT CHARGE) (MAJOR GEN. (RETD.) KHANDURI, AVSM)

(a) & (b): Mass emission norms for LPG and CNG run vehicles are based on uniform technical consideration. The reactive hydro carbon (non methane hydro carbons) in case of CNG are calculated on the basis of methane percentage as per the following formula:-

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NMHC = HC x (1-K/100)
Where  HC = total hydrocarbons measured
K = % Methane content in natural gas fuel(not less than 70%)
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In case of LPG, the reactive hydro carbons are considered as 50% of the total hydro carbons and accordingly the reactivity factor is considered as 0.5 for pollutant measurement.

(c) & (d): The up dating of norms relating to mass emission standards is a continuous on-going process as improvement in engine technology & quality of fuel is continuously taking place.